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Application No. <u>10/045,837</u>	Prepared by <u>J. Robbins</u>	Tracking Number <u>05869869</u>	
Examiner-GAU <u>Pascal-2817</u>	Date <u>12-22-03</u>	Week Date <u>12-1-03</u>	
	No. of queries <u>(1)</u>	<u>IFW</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

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FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) 89160.0010	Application Number 10/045,837
	Applicant GURVICH et al.	
	Filing Date January 11, 2002	Group Art Unit 2817

U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,516,024	6/2/1970	J. Lange	333	10	
	4,216,446	8/5/1980	H. Iwer	333	112	
	4,288,761	9/8/1981	S. Hopfer	333	116	
	4,636,754	1/13/1987	Presser et al.	333	116	
	4,723,307	2/2/1988	Clark et al.	455	103	
	5,159,298	10/27/1992	M. Dydyk	333	112	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
						Abstract	

EXAMINER	DATE CONSIDERED
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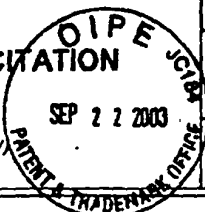
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Bryant, et al., "Parameters of Microstrip Transmission Lines and of Coupled Pairs of Microstrip Lines", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-16, No. 12, December 1968
	Herzog, H., "Microstrip Couplers with Improved Directivity", <i>Electronics Letters</i> , Vol. 14, No. 3, February 1978
	Schaller, "Directivity Improvement of Microstrip N4-Directional Couplers", <i>AEU</i> , Vol. 26, No. 11, 1972, pages 508-509
	Rehnmark, "High Directivity CTL-Couplers and a New Technique for the Measurement of CTL-Coupler Parameters", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 12, December 1977, pages 1116-1121
	Podell, A., "A High Directivity Microstrip Coupler Technique", <i>International Microwave Symposium Digest</i> , 1970 G-MTT, pages 33-37
	Sheleg, B., "Broad-Band Directional Couplers Using Microstrip with Dielectric Overlays", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-22, No. 12, December 1974, pages 1216-1220
	Alexopoulos, N. et al., "Characteristics of Single and Coupled Microstrips on Anisotropic Substrates", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 6, June 1978, pages 387-393
	Aikawa, M., "Microstrip Line Directional Coupler with Tight Coupling and High Directivity", <i>The Transactions of the IECE of Japan</i> , Vol. E 60, No. 4, Abstracts, pages 206-207, April 1977
	Lange, J., "Interdigitated Stripline Quadrature Hybrid", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1969, pages 1150-1151
	Presser, A., "Interdigitated Microstrip Coupler Design", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 10, October 1978, pages 801-805
	Kumar, et al., "Monolithic GaAs Interdigitated 90 Degree Hybrids With 50- and 25- OHM Impedances", 1982 IEEE Microwaves & Millimeter Wave Circuits Symposium, Dallas, TX 1982
	Lange, J., "Interdigitated Stripline Quadrature Hybrid", <i>G-MTT Int., Microwave Symposium Digest</i> , pages 10-13, May 1969

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	Lane, J., "Interdigitated Stripline Quadrature Hybrid", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1969, pages 1150-1151		
	Waugh, R. et al., "Unfolding the Lange Coupler", <i>IEEE Transactions on Microwave Theory and Techniques</i> , November 1972, MTT-20, pages 777-779		



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